

ABSTRACT OF THE DISCLOSURE

An acoustic echo control system and a double talk control method thereof that eliminate echo signals which are generated in a hand-free communication system.

5 In order to discriminate a double talk generation and a change of an echo path, the acoustic echo control system accurately detects a double talk section and an echo path change section using a near end signal from a near end talker and a far end signal from a far end talker and in the double talk section an adaptive echo remover of the system suspends a filter coefficient adaption and estimates an acoustic echo
10 path which is supplied to a microphone over a speaker by performing the filter coefficient adaption in the echo path change section, thereby improving communication quality and discriminating the double talk and the change of the echo path without time delay.